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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,437	06/10/2005	Atsushi Nakajima	05367/HG	3902
1933 7590 06/29/2007 FRISHAUF, HOLTZ, GOODMAN & CHICK, PC			EXAMINER	
220 Fifth Avenue			SHAH, MANISH S	
16TH Floor NEW YORK, NY 10001-7708		ART UNIT	PAPER NUMBER	
		2853		
	•			
			MAIL DATE	DELIVERY MODE
			06/29/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/538,437	NAKAJIMA, ATSUSHI			
Office Action Summary	Examiner	Art Unit			
	Manish S. Shah	2853			
The MAILING DATE of this communication a Period for Reply	1	I I			
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta	DATE OF THIS COMMUNIC 1.136(a). In no event, however, may a re od will apply and will expire SIX (6) MON	CATION.  eply be timely filed  THS from the mailing date of this communication.			
Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on 04	April 2007.	•			
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ T	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.				
3) Since this application is in condition for allow	•	• •			
closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>1-5 and 7</u> is/are pending in the app	olication.				
4a) Of the above claim(s) is/are withd	Irawn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-5 and 7</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and	d/or election requirement.				
Application Papers					
9)☐ The specification is objected to by the Exam	iner.				
10) The drawing(s) filed on is/are: a) a	accepted or b) Objected to I	by the Examiner.			
Applicant may not request that any objection to t	the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the corn 11) The oath or declaration is objected to by the	•				
,	Examiner. Note the attached	Office Action of form F10-132.			
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for fore a)⊠ All b)□ Some * c)□ None of:	ign priority under 35 U.S.C. §	119(a)-(d) or (f).			
1. Certified copies of the priority docume		·			
2. Certified copies of the priority docume		<del></del>			
3. Copies of the certified copies of the p	· · · · · ·	received in this National Stage			
application from the International Bur		raceived			
* See the attached detailed Office action for a	list of the certified copies not	received.			
Attachment(s)					
1) Notice of References Cited (PTO-892)	, <u> </u>	Summary (PTO-413) s)/Mail Date			
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO/SB/08)</li> <li>Paper No(s)/Mail Date</li> </ul>		nformal Patent Application			

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#### **DETAILED ACTION**

### Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 1-5 & 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tanabe et al. (# US 2001/0047044) in view of Akahira et al. (# US 6540346).

Tanabe et al. discloses an inkjet recording method for forming image by ejecting an UV-setting ink-jet ink (see Abstract), which includes color materials ([0034]-[0036]), UV-polymeric compound, which is a radical polymeric compound (photo polymerization resin) (see Abstract; [0021]-[0029]), and photo-induced polymerization initiator (see Abstract; [0030]-[0033]) in a water-based medium (see Abstract; [0039]), on a base material and applying ultraviolet light to the ink on the base material ([0049]-[0056]; [0088]-[0090]).

Tanabe et al. differs from the claim of the present invention is that a concentration of oxygen dissolved in the ink is 0.1 to 2 ppm at 25 °C, preferably 0.5 to 2 ppm at 25 °C.

Akahira et al. teaches that to improve the ink discharge stability, the amount of oxygen dissolved in the ink is less than 1 ppm (column: 12, line: 57-67; column: 13, line: 1-5).

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It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the ink composition of Tanabe et al. by the aforementioned teaching of Akahira et al. in order to have the improved ink discharge stability, which gives high quality printing.

## Response to Arguments

2. Applicant's arguments with respect to claims 1-5 & 7 have been considered but are most in view of the new ground(s) of rejection.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Manish S. Shah whose telephone number is (571) 272-2152. The examiner can normally be reached on 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Manish S. Shah Primary Examiner Art Unit 2853

MSS

6/21/07